Gruppe nicht einreihen lassen, muss aber als der erste theilweise recht gelungene Versuch einer natürlichen Gruppirung der Hummeln durch einen heimischen Forscher willkommen geheissen werden.

## Literatur.

Papilio. Devoted to Lepidopterists exclusively. Organ of the New York Entomological Club. Vol. II. 1882.

Nr. 1. Behr, Herm., on the habits and economy of some species of Sphingidae, 1-7. Grote, A. R., notes on Catocala snowiana and

varieties in this genus, 8-9.

Edwards, Henry, new species of Heterocera, 9-15. Edwards, W. H., descr. of species of butterflies taken in Arizona by Jacob Boll, 1881, 19-29. Osten-Sacken, R. von, list of butterflies collected on the pacific coast, principally in California, in 1876, with notes on their localities and habits,

29-31.

Pilate, G. R., a new variety of Catocala, 31—32. Food plants of Platysamia Cecropia, 32-33. Nr. 3. Ishikawa, Ch., notes on variations in some Ja-

panese Lepidoptera, mit Holzschn., 35-37. Jewett, H. S., notes on Adelocephala bicolor Harris, 39-41. Riley C. V., the Noctuidae in the Missouri Entomological reports, 41-44.

Edwards, W. H., descr. of new species of butter-

flies found in the United States, 45-49. Bailey, James S., femoral tufts or pencils of

hair in certain Catocalae, mit Abb., 51-52. Edwards, Henry, notes on N. American Aegeridae with descr. of their forms, 52-57. Coquillet, D. W., the life-history of Eustrotia Carneola, 57—58 Food plants of Telea Polyphemus in the country

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Neumoegen, B., descr. of a new Hyperchiria from Arizona, 60-61.

Coquillett, D. W., on the early stages of two Plume-Moths, 61—62.

Wevenberg, D. H., nova species generis Ceratocampa, 62.

Notes on Lepidoptera, 62-63.

Illustrations of Noctuidae, mit einer Tafel, 64. Papilio. Organ of the New York Entomological Club. 1882.

Nr. 5. Pilate, G. R., list of Lepidoptera taken in and around Dayton, O., 65-71.

Osborn, Herb., Aggerian parasites, 71-72. Grote, A. R., on certain Pyralidae, 72-74.

Edwards, W. H., on the American form of Papilio Machaon L., 74-77. Walshingham, Thomas Lord, Tineidae or Ti-

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Food plants of Samia Columbia, 79-80.

Grote, A. R., two new Geometrids from Mr. Neumoegens collection, 80—81.

Ch. Rob. Darwin, obituary, 81. Notes on Lepidoptera, 81—84.

Nr. 6. Buckler, W., some points in the natural history of Papilio Machaon, reprinted from Ent. M. Mag., 85 - 90.

Stretch, R. H., what constitutes a species in the

genus Arctia? 90-92.

Bailey, James S., new forms of North American Cossidae, 93—94.

Grote, A. R, the N. Amer. species of Nonagria, 94---96.

Edwards, H., further notes and descr. of N. Amer. Aegeriadae, 96-99.

Grote, A. R., larvae of N. Amer. moths, 99. Id., notes on certain Geometridae, with a new Byssodes from Florida, 100-101.

Notes on Lepidoptera, 101—2.

The Transactions of the Entomological Society of London. 1882, III. With 4 plates.

Butler, A. G., heterocerous Lepidoptera collected in Chili

by Thomas Edmonds, 339-427.

Walsingham, Lord, North American Coleophorae, 429-42. Scott, John, descr. of a new genus and 2 new species of Psyllidae from South America, 443-8.

Id., on certain genera and species of the group of Psyllidae in the collection of the British Museum, 449-73.

Lewis, Geo., on a visit to Ceylon, and the relation of Ceylonese beetles to the vegetation there, 475-83.

Pryer, H., on certain temperature forms of Japanese butterflies, 485—91.

Waterhouse, Ch. O., descr. of new Coleoptera from Madagascar belonging to the Melolonthidae, 493-502.

## Kleinere Mittheilungen.

Ueber das Auskriechen gewisser Lepidopteren aus der Puppe zu bestimmten Zeiten des Tages macht B. Neumoegen in der Zeitschrift Papilio nach seinen eigenen Beobachtungen folgende Mittheilungen:

Attacus Atlas kriecht aus um 7 Uhr Morgens. 

gemacht?

## Europäische Futterpflanzen verschiedener exotischer Schmetterlinge.

1. Platysamia Cecropia (nach Wm. Brodie, vorgetragen im Natural Society of Toronto): Tilia, Linde; Acer, Ahorn vielleicht, da sie in Amerika auf vier Ahornarten lebt; Prunus domestica, Pflaume; Spiraea salicifolia; Crataegus?; Pirus malus, Apfelbaum; Pirus communis, Birnbaum; Ribes rubrum, Johannisbeere; Sambucus?; Ulmus?; Quercus?; Fagus?; Corylus?; Carpinus?; Betula alba, Birke; Alnus incana, Weisserle; Salix?; Populus?

2. Samia Columbia nährt sich in Amerika von dortigen Spiraea, Ulmus, Abies und Larix-Arten. Vielleicht auch in

Deutschland auf den entsprechenden Pflanzen.

3. Telea Polyphemus von Tilia, Crataegus?; Riber?; Quercus?; Corylus?; Fagus?; Carpinus?; Betula alba; Alnus incana; Salix?; Populus?